



# Peninsula Laboratories, LLC

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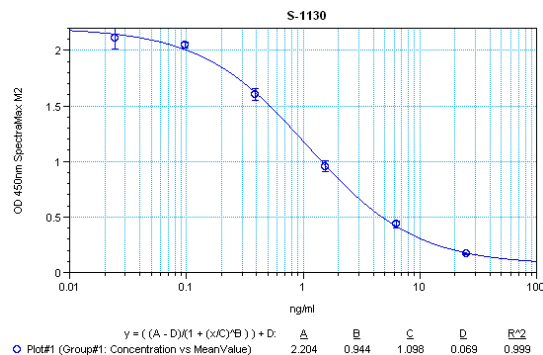
Cat. No. S-1130

## ACTH (1-39) (mouse, rat)

**SPECIFICATIONS:** Formulated for extracted samples

**STANDARD:** 1 µg H-4998 H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Val-Ala-Glu-Asn-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-Phe-OH

**PROTOCOL:** III (Std.Ab1hr.Bt)  
**RANGE:** 0-25 ng/ml  
**AVERAGE IC<sub>50</sub>:** 0.62 ng/ml  
**SHELF-LIFE:** One year from production date



| Suggested Preparation of Standards |       |                                  |
|------------------------------------|-------|----------------------------------|
|                                    | ng/ml | Range: 0.02 to 25 ng/ml          |
| Stock                              | 1000  |                                  |
| S1                                 | 25.00 | Add 25 µl stock + 975 µl diluent |
| S2                                 | 6.25  | Add 200 µl S1 + 600 µl diluent   |
| S3                                 | 1.56  | Add 200 µl S2 + 600 µl diluent   |
| S4                                 | 0.39  | Add 200 µl S3 + 600 µl diluent   |
| S5                                 | 0.10  | Add 200 µl S4 + 600 µl diluent   |
| S6                                 | 0.02  | Add 200 µl S5 + 600 µl diluent   |
| S0                                 | 0.00  | 500 µl diluent                   |

### CROSS REACTION:

| PEPTIDE                                      | %    |
|----------------------------------------------|------|
| ACTH (1-39) (mouse, rat)                     | 100  |
| ACTH (1-39) (human)                          | 100  |
| ACTH (1-24) (human)                          | 100  |
| ACTH (7-38) (human)                          | 31.2 |
| ACTH (18-39) (human)                         | 0    |
| α-MSH                                        | 0    |
| LH-RH                                        | 0    |
| PACAP-38 (human, mouse, ovine, porcine, rat) | 0    |
| β-Endorphin (rat)                            | 0    |